

ABSTRACT OF THE DISCLOSURE

Oxygen generation system comprising a portable oxygen generator unit including
5 a portable air separation device for the generation of an oxygen-rich gas, a primary gas
pump including means to supply air to the portable air separation device, a primary
motor to drive the gas pump, a rechargeable power supply to drive the motor, connector
means adapted to deliver power to the rechargeable power supply, flow coupling means
to transfer the oxygen-rich gas from the portable oxygen generator unit, and a first
10 oxygen-rich gas product discharge port. The system also includes a stationary base unit
adapted to couple with the portable oxygen generator unit, wherein the stationary base
unit comprises a stationary power supply system including connector means adapted to
recharge the rechargeable power supply in the portable oxygen generator unit, flow
coupling means to receive the oxygen-rich gas from the portable oxygen generator unit,
15 and an optional second oxygen-rich gas product discharge port.

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